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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/816,021	03/31/2004		Garry M. Steil	PF00486 Div	9550	
7590 06/09/2006				EXAMINER		
Paul H. Kovelman, Esq. MEDTRONIC MINIMED, INC. 18000 Devonshire Street Northridge, CA 91325-1219				WITCZAK, C	WITCZAK, CATHERINE	
				ART UNIT	PAPER NUMBER	
				3767	3767	
				DATE MAIL ED: 06/00/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05) 6) Other: \_\_\_\_.

Part of Paper No./Mail Date 200605

Office Action Summary

8]30/04

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**DETAILED ACTION** 

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set

forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the

manner in which the invention was made.

Claims 15 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kurnik (US

6,272,364) as modified by Hiroi et al (US 5,745,362)

Kurnik discloses in column 23, lines 34-58 a method of obtaining the blood glucose concentration

of a user, generating commands through the use of a controller, infusing a liquid based of the controller

commands, and estimating a hypoglycemic glucose excursion.

Kurnik discloses the claimed invention except for the controller being a bilinear PID controller.

Hiroi et al teach that it is known to use a PID controller as set forth in column 3, lines 3-21 to provide a

more accurate control system. It would have been obvious to one having ordinary skill in the art at the

time the invention was made to modify the method as taught by Kurnik with a bilinear PID controller as

taught by Hiroi et al, since such a modification would provide the method with a more accurate control

system.

Response to Arguments

Applicant's arguments with respect to claims 16 and 32 have been considered but are moot in 1.

view of the new ground(s) of rejection.

MMM Shope

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2. Applicant's arguments, see Response, filed 3/17/2006, with respect to claims 15 and 31 have

been fully considered and are persuasive. The objection of claims 15 and 31 has been withdrawn.

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Catherine N. Witczak whose telephone number is (571) 272-7179. The examiner can

normally be reached on Monday through Friday, 8-5 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin

Sirmons can be reached on (571) 272-4965. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

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direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

MM 5/20106

cw

KEVIN C. SIRMONS SUPERVISORY PATENT EXAMINER

Muri C. Jarmon